(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 20 January 2005 (20.01.2005)

PCT

(10) International Publication Number WO 2005/004786 A1

(51) International Patent Classification7: A61J 7/02, 7/04

(21) International Application Number:

PCT/EP2004/007808

(22) International Filing Date:

9 July 2004 (09.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0316348.2

11 July 2003 (11.07.2003) GB

(71) Applicant (for all designated States except US): GLAXO GROUP LIMITED [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford Middlesex UB6 0NN (GB).

(72) Inventors; and

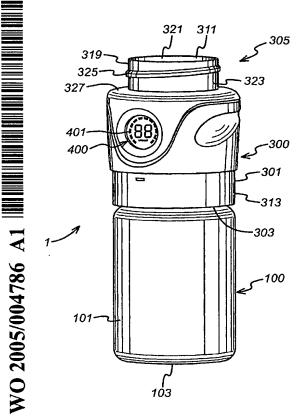
(75) Inventors/Applicants (for US only): ANDERSON, Gregor, John, McLennan [GB/GB]; GlaxoSmithKline, Park

Road, Ware Hertfordshire SG12 0DP (GB). COLLINS, James, Terence [GB/GB]; Origin Product Design Limited, Unit 1, Broughton Craft Centre, Causeway Road, Broughton, Huntingdon Cambridgeshire PE28 3AS (GB). LAMBLE, Ralph, George [GB/GB]; Origin Product Design Limited, Unit 1, Broughton Craft Centre, Causeway Road, Broughton, Huntingdon Cambridgeshire PE28 3AS (GB). PEARSON, Allen, John [GB/GB]; Origin Product Design Limited, Unit 1, Broughton Craft Centre, Causeway Road, Broughton, Huntingdon Cambridgeshire PE28 3AS (GB). SNOW, Tom [GB/GB]; Origin Product Design Limited, Unit 1, Broughton Craft Centre, Causeway Road, Broughton, Huntingdon Cambridgeshire PE28 3AS (GB). TURNER, Paul, John [GB/GB]; Origin Product Design Limited, Unit 1, Broughton Craft Centre, Causeway Road, Broughton, Huntingdon Cambridgeshire PE28 3AS (GB).

(74) Agent: KONDO, Rie; GlaxoSmithKline, Corporate Intellectual Property (CN925.1), 980 Great West Road, Brentford Middlesex TW8 9GS (GB).

[Continued on next page]

(54) Title: A DISPENSER



(57) Abstract: A hand-held dispenser (1) for dispensing a multiplicity of unit products (3) having a storage area (100) for storing the unit products, an outlet opening (311) through which the unit products are dispensable from the dispenser, a dispensing mechanism (350) actuable to dispense the unit products through the outlet opening, and a dispensing indicator (400) for indicating the number of unit products left in, or dispensed from, the dispenser. The dispensing indicator is integrated with the dispenser such that it is automatically updated in response to the dispensing of the unit products therefrom.